



April 13, 2000

Mary Goldade  
ISSI Consulting Group  
999 18<sup>th</sup> Street, Suite 1450  
Denver, Colorado 80202

Dear Mary:

Attached is my monthly report for the Pilot-scale soil characterization study along Vasquez Boulevard and Interstate 70. Attached is a billing statement for the first month of the project. I faxed a copy of report and invoice to Winnie Smith.

Please feel free to contact me if you have any questions. My Phone at CSU is 970-491-6881 and my home office is 303-442-8105 ext #2.

Sincerely,

Eugene F. Kelly  
Associate Professor  
of Pedology

*Eugene F. Kelly, Ph.D.*  
*4084 Dawn Court*  
*Boulder, Colorado 80304*

April 13, 1999

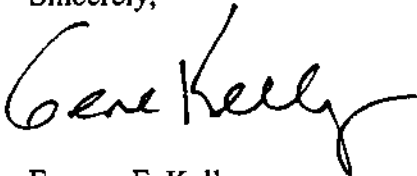
Winnie V. Smith  
ISSI Consulting Group  
8455 Colesville Road, Suite 915  
Silver Springs, MD 20910

Dear Winnie:

Attached a billing statement for my activities to date regarding Vasquez Boulevard project with the Denver office. Attached you will also see the monthly report that I will send to Mary Goldade at ISSI in Denver. I will also attach a copy of the invoice. Please call me if you need any other information. My phone number at CSU is 970-491-6881 and my home office is 303-442-8105 ext 2.

Best Regards.

Sincerely,

A handwritten signature in cursive script that reads "Gene Kelly".

Eugene F. Kelly  
Associate Professor  
of Pedology

**MEMO**

TO: Winnie Smith

FROM: Eugene F. Kelly

SUBJECT: Soil Science Consulting (Subcontract # NAV0003-99-Kelly-01)

DATE: April 10, 1999

Listed below are the activities:

<u>Date</u>	<u>Activity</u>	<u>Samples</u>	<u>Cost</u>	<u>Total per analysis</u>
3/21/00	sample preparation	26 @	\$ 5.00 per	\$ 130.00
3/23/00	Visual inspection	26 @	\$ 5.00 per	\$ 130.00
3/26/00	pretreatment for mineralogy	29 @	\$ 50.00 per	\$1,450.00
4/8/00	PSA	19 @	\$ 25.00 per	\$ <u>475.00</u>
			Total =	\$2,185.00
	E.F. Kelly	Supervision 4 hrs @ 100/hr =		\$ <u>400.00</u>
			Total =	\$2,585.00

Please Make Check Payable to:

Dr. Eugene F. Kelly (SS# 110-48-3219)  
4084 Dawn Court  
Boulder, Colorado 80304

## **MONTHLY REPORT**

**SITE NAME:** Pilot-scale soil characterization study along Vasquez Boulevard and Interstate 70

**PROJECT MANAGER:** Eugene F. Kelly

**FOR PERIOD OF:** 3/21/00 through 4/15/00

### **I. BACKGROUND**

There are two major objectives in this study. The first, is to determine the mineralogical and physical nature of soils at the Vasquez Boulevard and Interstate 70. The second, is to use this information to evaluate the relationship among samples with regard to the provenance of soil samples. The three month of the project focused on, continuation of chemical and mineralogical analyses and completion of the analyses of these data

### **II. WORK COMPLETED**

The following analyses have been completed: sample preparation for particle size and mineralogical analyses, visual inspection, particle size analyses and pretreatment for mineralogical analyses. Analyses of soil physical properties such as textural analyses is nearly complete. Sieve analyses is currently underway on all sand samples. Clay, silt and sand samples are currently being subjected to x-ray diffraction and are approximately 25% completed.

### **III. PROBLEMS ENCOUNTERED/RESOLUTIONS**

The samples were received much later than expected and we lost valuable time during the month of March and over the spring recess. I believe we will still be able to meet the deadline (May 31, 2000), although this has required additional student help we are making substantial progress. No major technical problems have been encountered during the continuation of these tasks.

### **IV. MAJOR ITEMS EXPECTED NEXT MONTH**

The majority of the mineralogical analyses should be completed by the middle of May. We will be constructing approaches to best quantitatively assess similarities and differences among soil samples.